BRUHATH BENGALURU MAHANAGARA PALIKE

Providing lighting system to Geleyarabalaga park 1&2 ward No-12.

Est Cost Rs.5.50 Lakhs

Sl. No	Description	Unit	Qty	Rate	Amount
1 P.No-xxiii I.No-625	Fabricating, supplying and erectiMon of swaged tubular pole of height 3.5Mtr having three sections and providing two coats of red oxide paint and finished with two coats of enameled paint of approved quality and colour and M.S. Base plate of suitable size 200mmX200mmX6mm thick welded at the bottom of the pole (as per IS) and 40 mm dia GI/flexible PVC pipe of 1 Mtr. Length fitted to the 18 gauge M.S control box of size 300mmX200mmX125mm arrangements 30amps porcelain fuse cut out/DP switch.1no of 4way connector in case of cable looping. The pole shall be erected n cement concrete work(1:3:6) including excavation and refilling.a).3.5Mtr Pole. (top- 0.5mtr,2" inner dia bottom-1.5mtr,3" dia,Middle-1.5 mtr) Planting depth 1 Mtr. Conical street light pole	Each	20	4770.00	95400.00
2 P.No-21 I.No-4.12	Supplying 70 watts MH integral post tap lantern Metal halide fitting suitable for pole mounted with fully vermin, weather proof, elegant in shape, appearace, UV stabilized clear acrylic diffusers, camouflaged horzantal lamp, holder and lamp, IP 54 protection. Electrical safety clas1. the fitting shall have ferromaghnetic copper choke with capacitor, igniter andf fully wired to operate on 230v 50HZ AC supply with 70watts MH Lamp.	Each	20	6724.00	134480.00
3 P.No-108 I.No-17.6	Fixing charges of post top/Gate/Garden fitting on the existing Cl / Gl or any other pipe using required size of reducer, wiring using suitable wires.	Each	20	145.00	2900.00
4 P.No-55 I.No-7.4.4	Supplying of 1.1KV LT UG cable having aluminim conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (Except 2Cx10sqmm wire armoured) confirming to IS-3975:1990 (No. of strip indicated in GTP) & extruded PVC outer shet=athed armoured cable with specified IS-1554 Part-1 :1988 & confirming to GTP of Group -A.4 core 16 sqmm	P/Mtr	460	140.40	64584.00
	7.4.5 3.5 core 25 sqmm	P/Mtr	50	165.60	8280.00
5 P.No-61 I.No-7.8.1	Labour charges for laying of 1.1KV class UG calbe when supplied agency in existing trench Gl pipe/ stpnewre pip / on wall / on pole as required. In exixting trench/duct.a.6 sqmm to 16 sqmm	P/Mtr	460	10.80	4968.00
	7.8.2 25 sqmm to 75 sqmm	P/Mtr	50	16.20	810.00
6 P.No-61 I.No-7.9	Digging of trench of 0.6m deep x 0.50 mtr wide refiling the trench to the required ground level and consolidating etc., Complete. (As per Civil SR KSRB 1-2, P-7)b. In soil (ordinary)	P/Mtr	550	78.00	42900.00
7 P.No-5 I.No-2.5	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cabe in open or consealed system of wiring.I Group A.a) 1.5 sqmm	P/Mtr	170	18.60	3162.00
8 P.No-45 I.No-6.12.4	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/Panel board using necessary bolts, nuts, washers and wiring etc., complete. With AC 3 rating as per IS 13947. d.100-125Amps	Each	2	9915.00	19830.00
9 P.No-47 I.No-6.16.3	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring and 'c' type curve, indicator ON/OFF , energy cross-3 with short circuit breaking capacity of 10k and complete as required confirming to IEC 60898.c.5-32Amps DP 1) Group 'A'	Each	8	849.00	6792.00

10 P.No-49 I.No-6.40.1	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer pain and finally finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. a) 14 SWG.	Sq cm	20000	0.37	7400.00
11 P.No-64 I.No-7.21	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.a) 1.5 sqmm	Each	40	2.00	80.00
	7.21.6. 16 sqmm	Each	95	11.31	1074.45
	7.21.7. 25 sqmm long barrel	Each	20	20.59	411.80
12 P.No-51 I.No-6.46	Supplying and fixing Microprocessor based Astronomical timer switch with using necessary bolts, nuys and washers.	Each	2	4586.00	9172.00
13 P.No-49 I.No-6.39.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.a.40x40x6mm.	Mtr	10	263.00	2630.00
14 P.No-45 I.No-6.7.4	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., Complete. 100 Amps.	Each	6	360.00	2160.00
15 P.No-55 I.No-7.1	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 thick Gl pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. the connection form the pipe to the conduit etc, is to be established through Gl wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12mm dia.	Each	1	2727.00	2727.00
16 P.No-62 I.No-7.13.3	Supplying and fixing L.T. cast lron pot heads suitable for 1.1 KV calss UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.b.. 25Sqmm	Each	2	362.00	724.00
17 P.No-62 I.No-7.12.2	Supplying and fixing of class A (medium duty) Gl pipe of wall thick ness not less than 3.25mm pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class.a. 40mm	P/Mtr	10	345.00	3450.00
18 P.No-34 I.No- 5.13.1.1.	Fabricating, supplying and erecting swaged tubular pole of height... Mtr having three sections and providing two coats of re oxide paint and finished with two coats of enameled paint of approved quality and colour and M.S. Base plate of suitable size welded at the bottom of the pole (as per IS) and 40 mm dia GI/flexible PVC pipe of 1 Mtr. Length fitted to the heavy gauge polycarbonate control box including 5 way connector of size 167x125x82mm for 7.5 M pole/ 200x160x98 mm for remaining length of pole with front opening cover, with locking arrangements and suitable capacity MCB/DP Switch. The pole shall be erected n cement concrete work(1:2:4) including excavation and refilling of planting depth of the pole to the ground level and the coping CC shall be upto 0.6M above ground level as per IS 2713-7.I. Erection of light duty pole on-Foot path a) 9 Mt (5Mt H 165.1mm dia 4.85mm thick x 2M Hm,139.7mm dia 4.50mm thick x 2MHb. 114.3mm dia 3.65mm thick) as per IS 410 SP 32	Each	2	15000.00	30000.00

8.2	LED Flood Light. Supplying of LED Floodlight with .....W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by	Each	4	14646.00	58584.00
19 P.No-49 I.No- 6.38.1	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete. 100Amps 4x30x6mm Aluminum Strips	P/Mtr	1.00	1600.00	1600/- 1600.00
20	Bescom Deposit. And Miscellaneous (KRIDL charges)			45880.75	21652.75
	TOTAL				**550000.00**

CERTIFICATE

1. The place was inspected and work is essential
2. The place comes under BBMP limits.
3. The estimated prepared based on the KPWD Electrical SR 2014-15 Rates

Junior Engineer (Elec)
Dasarahalli Zone

Asst. Exe.Engineer (Elec)
Dasarahalli Zone

Executive Engineer (Elec)
Dasarahalli Zone

ನಂ. CE/D2/AS/15/68 16-17 ದಿನಾಂಕ : 30/5/2016
ರೂ. Rs. 550000/- (Rupees five lakh fifty five thousand only) ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ಸಂಖ್ಯೆ. ಬೃ.ಬೆಂ.ಮ.ಪಾ : ದಾ.ವ : ತಾಂತ್ರಿಕ :05/ 2016 - 2017
ದಿನಾಂಕ: 06.06.16 ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ರೂ. 5.50 ಲಕ್ಷ ಅಕ್ಷರಗಳಲ್ಲಿ ಐದುಲಕ್ಷ ಐವತ್ತು ಸಾವಿರ ಮಾತ್ರ ಗಳಿಗೆ ಮಾತ್ರ 2015 - 2016 ನೇ ಸಾಲಿನ ಮಳಿಗೆ ಪಟ್ಟಿಯಲ್ಲಿ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಟಿ. ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು-57.